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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/645,613 | 08/25/2000 | Jung Min Song | CIT/K-126 | 4585 |
| 34610 | 7590 | 07/27/2005 | EXAMINER | |
| FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153 | | | KE, PENG | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2174 | |
| DATE MAILED: 07/27/2005 | | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/645,613

Applicant(s)

SONG ET AL.

Examiner

Peng Ke

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 April 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 30-53 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 30-53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

This action is responsive to communications: Amendment, filed on 4/28/05.

This action is final.

Claims 30-53 are pending in this application. Claims 30, 34, 38, 42, 46, and 50 are independent claims. In the Amendment, filed on 4/28/05, claims 1-29 were cancelled and claims 30-50 were added.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 30, 33, 34, 37, 38, 41, 42, 45, 46, 49, 50, and 53 are rejected under 35 U.S.C. 102(e) as being anticipated by Foreman et al. US Patent NO. 6,469,711. (Hereafter, it is referred to as Foreman).

As per claim 30, Foreman teaches an apparatus for generating segment group information tangibly embodied in a computer-readable medium describing metadata for segment group in a multimedia stream, wherein said segment group information comprising:

a plurality of segments contained in said segment group; (figure 5, items 78; column 7, lines 23-49)

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a group type information representing highlights from a program that share a plurality of common objects; (figure 5, items 78; column 7, lines 23-49) and

a duration information of said segment group, wherein said duration information is total running time of said segment group. (figure 5, items 76)

As per claim 33, Foreman teaches the apparatus of claim 30, wherein each segment contained in the plurality of segments includes a start time and an end time. (figure 9, item 186)

As per claim 34, Foreman teaches a method for processing segment group information describing metadata for segment group in a multimedia stream, the method comprising:

generating said segment group information from a provider; (column 1, lines 65- column 2, lines 50) and

transmitting said received segment group information in a client, wherein said segment group information includes (column 1, lines 56-64):

a plurality of segments contained in said segment group; (figure 5, items 78; column 7, lines 23-49)

a group type information representing highlights that share a plurality of common objects from a program; (figure 5, items 78; column 7, lines 23-49) and

a duration information of said segment group, wherein said duration information is total running time of said segment group. (figure 5, items 76)

As per claim 37, it is of the same scope as claim 33. Supra.

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As per claim 38, it is rejected with the same rationale as claim 30. Supra.

As per claim 41, it is of the same scope as claim 33. Supra.

As per claim 42, it is rejected with the same rationale as claim 34. Supra.

As per claim 45, it is of the same scope as claim 33. Supra.

As per claim 46, it is rejected with the same rationale as claim 30. Supra.

As per claim 49, it is of the same scope as claim 33. Supra.

As per claim 50, it is rejected with the same rationale as claim 30. Supra.

As per claim 53, it is of the same scope as claim 33. Supra.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 31, 32, 35, 36, 39, 40, 43, 44, 47, 48, 51 and 52 are rejected under 35 U.S.C.

103(a) as being unpatentable over Foreman et al. US Patent NO. 6,469,711 in view of Liou et al.

US Patent NO. 6,278,446. (Hereafter, it is referred to as Liou)

As per claim 31, Foreman teaches the apparatus of claim 30. However he fails to teach wherein said segment group information includes a level information.

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Liou et al. teaches an apparatus wherein said segment group information includes a level information. (figure 12, items 34, 36, 38, and 40)

It would have been obvious to an artisan at the time of the invention to include Liou's teaching with apparatus of Foreman to provide user with a tree view of the video hierarchy.

As per claim 32, Foreman and Liou teaches the apparatus of claim 31. Liou further teaches wherein said level information can be described by multiple levels.(column 11, lines 63-column 12, lines 10; figure 12, item 40)

As per claims 35 and 36; 39 and 40; 43 and 44; 47 and 48; 51 and 52 are of the same scope as claim 31 and 32. Supra.

Response to Argument

Applicant's arguments with respect to claims 30-52 have been considered but are deemed to be moot in view of the new grounds of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peng Ke whose telephone number is (571) 272-4062. The examiner can normally be reached on M-Th and Alternate Fridays 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peng Ke

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